LISTING OF CLAIMS

1.   (Cancelled)

2.   (Cancelled)

3.   (Previously Presented) A computer system comprising:

a processor; and

memory coupled to the processor having a plurality of programming instructions implementing a programming interface layer for a service provider to facilitate delivery of data services to client devices by any of a plurality of vendors via the service provider, the programming interface layer including

a plurality of generic executable service functions callable by any of the plurality of vendors to facilitate delivery of a plurality of heterogeneous data services;

a parameter processing module for processing function-specific parameters, including device information for a wireless mobile device, for one of said plurality of generic executable service functions wherein said function-specific parameters are associated with one of said generic executable service functions; and

a response generating module for generating a function-specific response from one of said generic executable service functions, wherein said function-specific response is associated with one of said generic executable service functions and includes said device information.

4.   (Original) The computer system of Claim 3, wherein the programming interface layer further comprises a scheduling module for scheduling tasks via said executable service functions.

5.   (Original) The computer system of Claim 3, wherein said programming interface layer defines a plurality of classes including at least a selected one of AnswersResponse, BinaryResource, BooleanResponse, ClientInfo, CodeResponse, Concepts, ConceptsResponse, ConceptValues, ConfigFile, DeckResponse, Device, Devices, Identity, ImageResource, InfoRequest, InfoRequestResponse, InfoResponse, Message, MessageResponse, Resource, ResourceReference, ResourcesResponse, Response, Result, User, and UserDataResponse.

6. (Original) The computer system of Claim 3, wherein said programming interface layer defines a plurality of methods including at least a selected one of AddMessage, Equals, AddData, GetString, GetEnumerator, CreateUser, DeleteUser, DoesUserExist, GetSignupConcepts, GetSupportedData, GetUserData, LogOn, ModifyUserData, SetIdentity, SetPassword, SetPrimaryUserData, AppendResource, AppendResourceReference, DoFeatureCommand, DoSolutionCommand, GetDeck, GetResources, SubmitConcepts, GetInfo, and GetInfoRequest.

7. (Previously Presented) A programming interface layer for a service provider to facilitate delivery of data services to client devices by any of a plurality of vendors via the service provider, the programming interface layer comprising:

a plurality of generic executable service functions callable by any of the plurality of vendors to facilitate delivery of a plurality of heterogeneous data services;

a parameter processing module for processing function-specific parameters, including device information for a wireless mobile device, for one of said plurality of generic executable service functions wherein said function-specific parameters are associated with one of said generic executable service functions; and

a response generating module for generating a function-specific response from one of said generic executable service functions, wherein said function-specific response is associated with one of said generic executable service functions and includes said device information.

8. (Original) The programming interface layer of Claim 7, further comprising a scheduling module for scheduling tasks via said executable service functions.

9. (Original) The programming interface layer of Claim 7, further defining a plurality of classes including at least a selected one of AnswersResponse, BinaryResource, BooleanResponse, ClientInfo, CodeResponse, Concepts, ConceptsResponse, ConceptValues, ConfigFile, DeckResponse, Device, Devices, Identity, ImageResource, InfoRequest, InfoRequestResponse, InfoResponse, Message, MessageResponse, Resource, ResourceReference, ResourcesResponse, Response, Result, User, and UserDataResponse.

10.   (Original) The programming interface layer of Claim 7, further defining a plurality of methods including at least a selected one of AddMessage, Equals, AddData, GetString, GetEnumerator, CreateUser, DeleteUser, DoesUserExist, GetSignupConcepts, GetSupportedData, GetUserData, LogOn, ModifyUserData, SetIdentity, SetPassword, SetPrimaryUserData, AppendResource, AppendResourceReference, DoFeatureCommand, DoSolutionCommand, GetDeck, GetResources, SubmitConcepts, GetInfo, and GetInfoRequest.

11.   (Previously Presented) A computer readable medium containing computer executable instructions for a programming interface layer for a service provider to facilitate delivery of data services to client devices by any of a plurality of vendors via the service provider, the programming interface layer comprising:

a plurality of generic executable service functions callable by any of the plurality of vendors to facilitate delivery of a plurality of heterogeneous data services;

a parameter processing module for processing function-specific parameters, including device information for a wireless mobile device, for one of said plurality of generic executable service functions wherein said function-specific parameters are associated with one of said generic executable service functions; and

a response generating module for generating a function-specific response from one of said generic executable service functions, wherein said function-specific response is associated with one of said generic executable service functions and includes said device information.

12.   (Original) The computer readable medium of Claim 11, wherein the programming interface layer further comprises a scheduling module for scheduling tasks via said executable service functions.

13.   (Original) The computer readable medium of Claim 11, wherein said programming interface layer defines a plurality of classes including at least a selected one of AnswersResponse, BinaryResource, BooleanResponse, ClientInfo, CodeResponse, Concepts, ConceptsResponse, ConceptValues, ConfigFile, DeckResponse, Device, Devices, Identity, ImageResource, InfoRequest, InfoRequestResponse, InfoResponse, Message, MessageResponse,

Resource, ResourceReference, ResourcesResponse, Response, Result, User, and
UserDataResponse.

14.   (Original) The computer readable medium of Claim 11, wherein said programming
interface layer defines a plurality of methods including at least a selected one of AddMessage,
Equals, AddData, GetString, GetEnumerator, CreateUser, DeleteUser, DoesUserExist,
GetSignupConcepts, GetSupportedData, GetUserData, LogOn, ModifyUserData, SetIdentity,
SetPassword, SetPrimaryUserData, AppendResource, AppendResourceReference,
DoFeatureCommand, DoSolutionCommand, GetDeck, GetResources, SubmitConcepts, GetInfo,
and GetInfoRequest.

15.   (Previously Presented) In a computing environment, a method comprising:
        receiving a function call from any of a plurality of vendors to facilitate delivery of a
plurality of heterogeneous data services, the function call directed to one of a plurality of generic
executable service functions of a programming interface layer;
        processing, by a parameter processing module of the programming interface layer, one or
more function-specific parameters, including device information for a wireless mobile device,
for said function call to one of the plurality of generic executable service functions, wherein said
function-specific parameters are associated with one of said generic executable service functions;
and
        generating, by a response generating module of the programming interface layer, a
function-specific response from the called generic executable service function, wherein the
function-specific response is associated with the called generic service function and includes said
device information.

16.   (Previously Presented) The method of claim 15, further comprising directing said
function-specific response to a specific wireless mobile device.

17.   (Previously Presented) The method of claim 15, further comprising scheduling, by a
scheduling module of the programming interface layer, tasks via said generic executable service
functions.

18.   (Previously Presented) The method of claim 15, wherein the heterogeneous data services include one of making airline reservations, ordering flowers, making hotel reservations, making reservations at a restaurant, locating a place on a map, and booking a rental car.

19.   (Previously Presented) The computer system of claim 3, wherein the heterogeneous data services include one of making airline reservations, ordering flowers, making hotel reservations, making reservations at a restaurant, locating a place on a map, and booking a rental car.

20.   (Previously Presented) The programming interface layer of claim 7, wherein the heterogeneous data services include one of making airline reservations, ordering flowers, making hotel reservations, making reservations at a restaurant, locating a place on a map, and booking a rental car.

21.   (Previously Presented) The computer readable medium of claim 11, wherein the heterogeneous data services include one of making airline reservations, ordering flowers, making hotel reservations, making reservations at a restaurant, locating a place on a map, and booking a rental car.